Configuration of the module with Wi-Fi and Smart Home System manual

This manual allows to configure the module in order to control the bio fireplace by means of:

1. The device that has access to Wi-Fi (smartphone, tablet) – THE CONFIGURATION OF Wi-Fi and SMARTPHONE 1
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1. THE CONFIGURATION OF WiFi and SMARTPHONE

The configured appliance will allow to:

- Turn on the product (if READY message on display)
- Turn off the product (for COOLING THE DEVICE or READY message on display)
- Make the flame size lower or higher while the bio fireplace is working
- Turn on/turn off 'Lock the device' function (Customer's Menu, point 1)
- Choose the bio fireplace which is to be controlled.

It will be also possible to check the serial number, program version, website version and total operating time.

FLA 3 communicates with the exterior appliances by means of Wi-Fi.

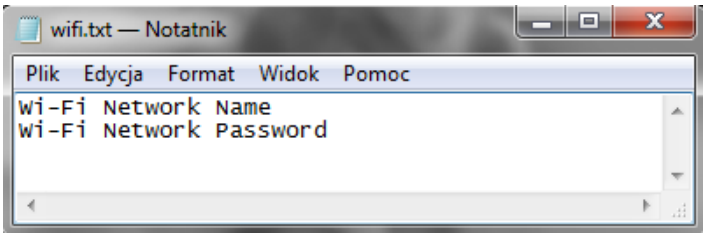
Make sure that Wi-Fi network you have is of 802.11 b/g/n standard and it operates the encryption of WPA/WPA2 PSK.

If your Wi-Fi network does not fulfill the above mentioned requirements it has to be adjusted. Otherwise, remote controlling of the bio fireplace via the appliance will not be possible.

If Wi-Fi network is ready, prepare the formatted USB flash drive.

Create a text file on USB flash drive with the name 'wifi' and 'txt' extension.

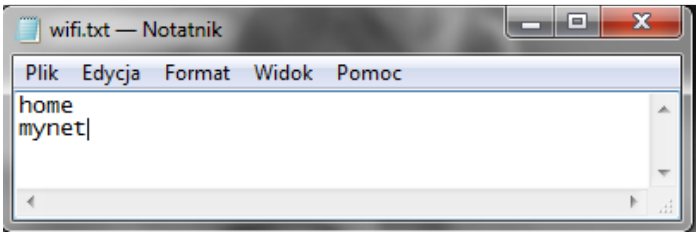
Save the name of the network and password in the file in a given format, where:



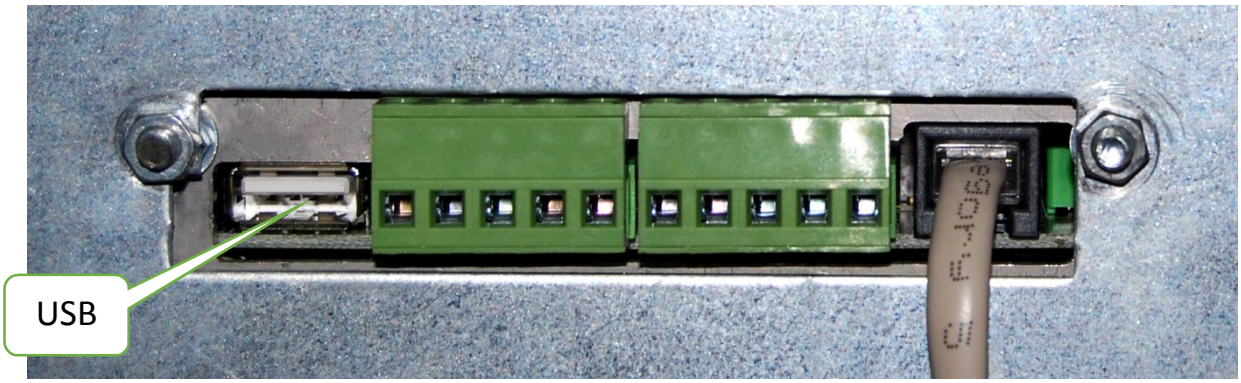
Instead of 'Wi-Fi Network name' – enter the name of the network, e.g. 'home'

Wi-Fi Network Password – password to the network, e.g. 'mynet'

Example:



Make sure that the bio fireplace is disconnected from the mains then put USB flash drive to USB port on the side part of the product.



Connect the bio fireplace to the mains and wait min. 5 minutes. USB flash drive may be disconnected and the product may be turned on with button.

Hold '+' for 8 seconds and 'Customer's menu' will appear [p. 10 in User's manual]. Press '+' to go to point 4 'Device IP' and confirm by pressing '-'.

Product's IP needed for the operation via the configured appliance will be visible then. Correct IP format is: 192.168.XXX.XXX .

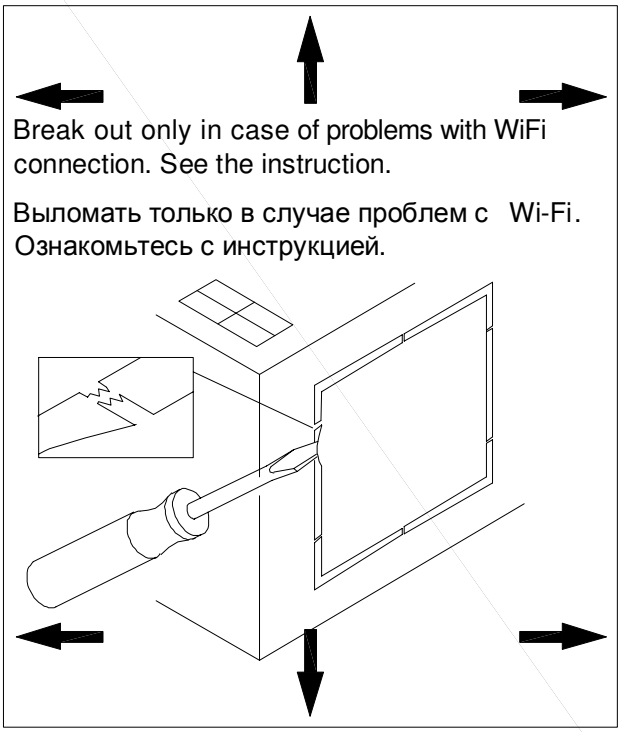
The assigned IP address is a dynamic address and is subject to change in the event of a change in the network settings.

It may happen that the displayed IP is incorrect. In such case follow the instructions below.

0.0.0.1	No communication with the module at all	It is normal during the initialization of the product. If it does not disappear after several minutes after turning on the bio fireplace, begin to format USB flash drive again.
0.0.0.2*	No connection with the network (wrong data / IP is busy / no network)	Follow the procedure of giving the network parameters once more – install USB flash drive again.
0.0.0.3	Text mode – jumper was not downloaded	Follow the procedure of giving the network parameters once more – install USB flash drive again. Call SERVICE.
127.0.0.1	No connection with the network (wrong data / IP is busy / no network)	Follow the procedure of giving the network parameters once more – install USB flash drive again.

* In case of problems with connecting to the fireplace via user's WiFi network (error no. 0.0.0.2) due to low network signal:

- remove the seal located in the front of the fireplace indicated with a sticker


Break out only in case of problems with WiFi connection. See the instruction.
Выломать только в случае проблем с Wi-Fi. Ознакомьтесь с инструкцией.

- cut the band that is clipping the cable
- take out the cable with WiFi transceiver at its end
- repeat the connection procedure

WARNING! There is possibility to check the reason of configuration failure. To do this read the file 'wifi.txt'.

Network parameters changed	The change of all the network parameters was successful
Error 0x01	Interfaces error (call service)
Data changed successfully	The change of network password or network name was successful
Incorrect data format	Data incorrectly entered into the file (save data again on USB flash drive, if it does not work, format USB flash drive or use a different one)

If the displayed IP number is correct one, save it.

The mobile appliance should be connected to the configured Wi-Fi network. The operation of bio fireplace via website was tested with the following browsers:

Windows: Opera, Firefox, Chrome, IE min 11

Android: Firefox, Chrome, Opera Browser, Opera Classic, Safari

Apple - Safari, Chrome

In the address bar enter the saved IP address and download the webpage.

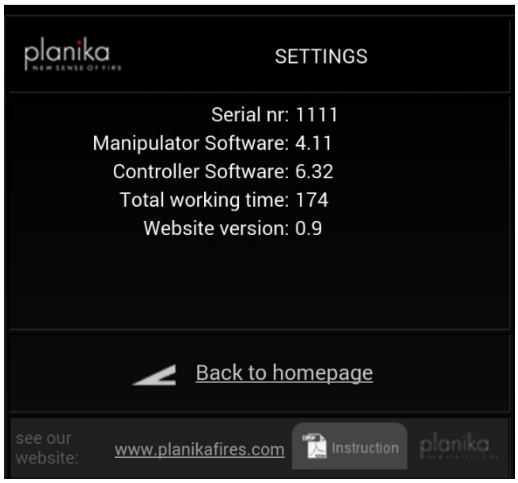
The display will appear on the appliance:

Allows to give any name of the appliance to facilitate choosing it from the list of different appliances.

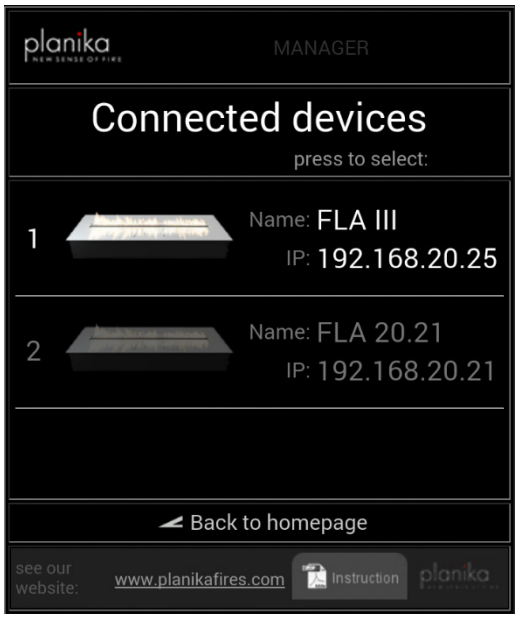
Activates 'Lock the device' function (see: User's manual -> III Customer's menu -> 1.

Due to **SETTINGS** function it is possible to determine:

- Serial number
- Display and microprocessor's program version
- total time of the product operation
- website version



Thanks to **MANAGER** function it is possible to control unlimited number of configured bio fireplaces.



If Wi-Fi network has access to the Internet, it is possible to enter www.planikafires.com or www.fireline.planikafires.com/fla

WARNING!

To control the bio fireplace, it needs to be installed according to the Installation Manual. The user has to be familiar with the User's Manual. Only after the configuration it is permitted to turn on the product for the first time.

2. SMART HOME SYSTEM CONNECTION

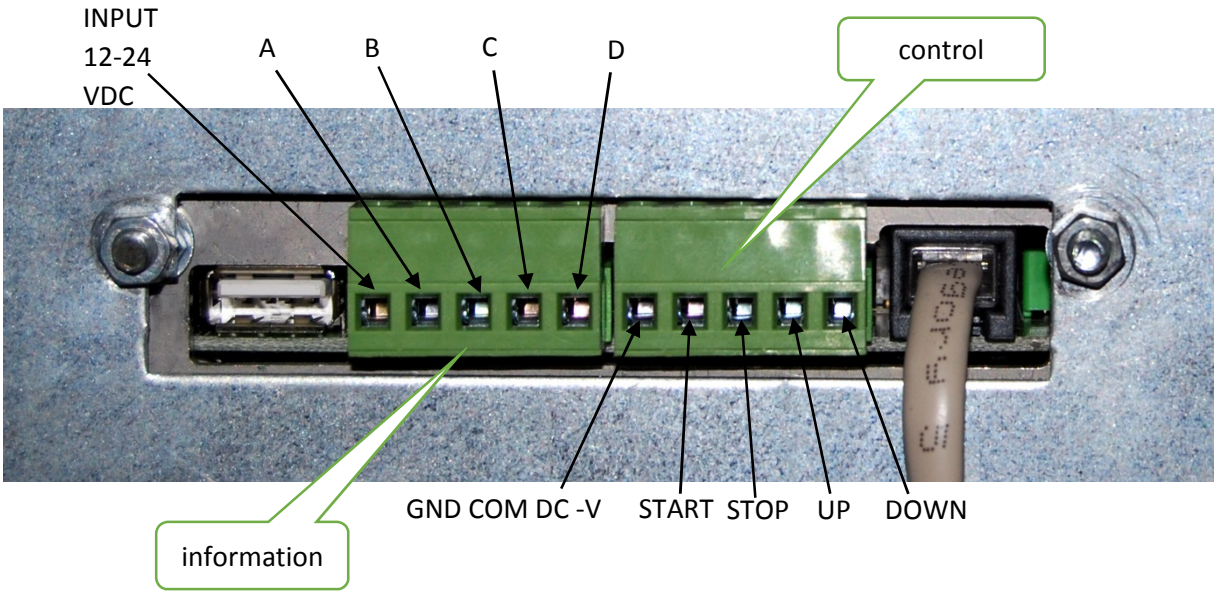
When Smart Home System driver installed it is possible to control the bio fireplace when it comes to:

- Turning on the product (if READY message on display)
- Turning off the product (if COOLING THE DEVICE or READY message on display)
- Making the flame size lower or higher while the bio fireplace is working

It is possible to see the current mode of the product on the Smart Home System control panel:

- ready to start (message READY)
- working (message WORKING)
- lack of fuel (message NO FUEL)
- waiting for an occurrence (message WAITING or COOLING THE DEVICE)
- ERROR.

The description of Smart Home System ports



Description of electrical connectors

GND – COM DC -V

START – 12 DC +V input initializing the bio fireplace, signal as an impulse lasting 100ms up to 1s

STOP – 12 DC +V input turning off the bio fireplace, signal as an impulse lasting 100ms up to 1s

UP – 12 DC +V input increasing the flame, signal as an impulse lasting 100ms up to 1s

DOWN – 12 DC +V input decreasing the flame, signal as an impulse lasting 100ms up to 1s

A – READY – transmitter output signaling that the device is ready

B – WORKING - transmitter output signaling that the device is working

C – FUEL – transmitter output signaling lack of fuel

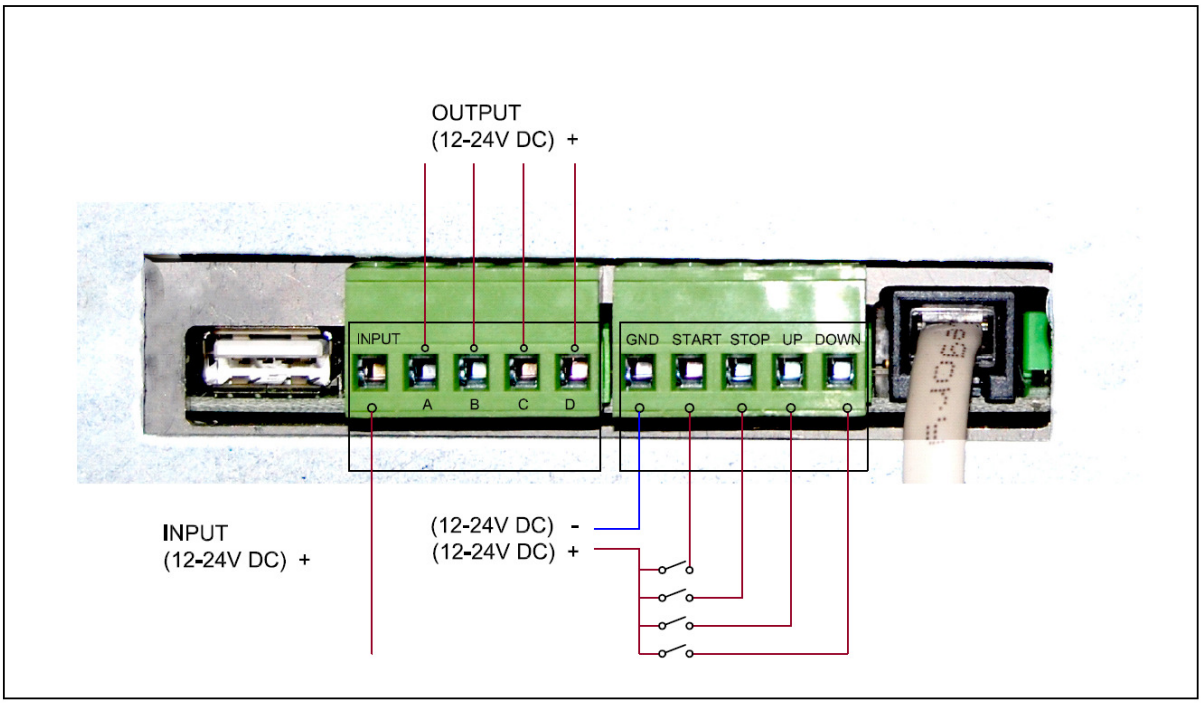
D – ERROR – transmitter output signaling error / other

A+B – transmitter output

All the ports have been adjusted to work within the voltage of 12V – 24V of the direct current. Higher voltage requires the use of additional limiter installed on the module's port.

There is possibility to control a few bio fireplaces simultaneously. In order to do so, it is essential to divide the signal into several ones, one per each product.

Scheme



Description:

Input – voltage port 12V – 24V of the direct current.
OUTPUT - voltage port 12V – 24V of the direct current depending on the mode of the bio fireplace.

Chart with the signals that may occur depending on the bio fireplace mode.

1 – port where the signal is
0 – lack of the signal in the port

	A	B	C	D
READY	1	0	0	0
WORKING	0	1	0	0
FUEL	0	0	1	0
ERROR	0	0	0	1
WAIT/COOLING	1	1	0	0

Mode of operation

After connecting according to the scheme above, controlling of the bio fireplace takes place via emitting single and short electrical impulses (lasting from 100ms to 1s) to the electrical connectors. A

single impulse directed to START port leads to turning on the bio fireplace (when stand-by mode is activated manually with button).

A single impulse directed to STOP port leads to switching the bio fireplace into stand-by mode.

A single impulse directed to UP port increases flame size by one level.

A single impulse directed to DOWN port decreases flame size by one level.

Electrical connector READY indicates that the bio fireplace is ready to start.

Electrical connector WORKING indicates that the bio fireplace is working. Disappearance of the signal is equal to turning off the product or lack of fuel.

Electrical connector FUEL indicates lack of fuel.

Electrical connector ERROR indicates any errors of the product (in order to identify what happened one needs to have a look at the fireplace display).

Electrical connector READY + WORKING indicates initialization or cooling of the bio fireplace. Disappearance of this signal is equal to switching into READY mode or other mode visible on the display.